

**California Air Resources Board
Agriculture Advisory Committee for Air Quality**

**Process for Development of
State and Federal SIP Measures**

**Modesto
January 30, 2003**

Key Federal Plans Under Development

- South Coast Ozone / PM10 State Implementation Plan (SIP)
- San Joaquin Valley PM10 SIP
- San Joaquin Valley Extreme Ozone SIP

SIP Components

- Air quality / pollutant levels
- Current and future emission inventories with existing measures
- Air quality modeling
- Commitments to adopt new measures needed to attain
 - Local
 - State
 - Federal

SIP Measure Development

- Districts develop control strategies for emission sources under local control
- On parallel track, State proposes new concepts for statewide measures for sources under State and federal control
- District and State hold public workshops on draft SIP

SIP Measure Development (contd.)

- Draft SIP is modified to reflect public input
- Once finalized, SIP is considered by District Board
- ARB acts on District-approved SIP and staff proposal for new State measures
- ARB-approved SIP is submitted to U.S. EPA
- Commitments in the SIP are federally enforceable upon U.S. EPA approval

Extensive Public Process Used to Develop Regulations

- SIP measures have specified timeframes in which regulations will be adopted and implemented
- Each regulation goes through a public rulemaking process
- Boards consider need, feasibility of controls, cost effectiveness, economic impacts, environmental impacts and environmental justice

The State and Federal Element

- Proposes new measures to reduce emissions from sources under State and federal authority
- Measures impacting agriculture sources
 - Off-road diesel fueled engines
 - Off-road gasoline fueled engines
 - Other measures

Off-Road Diesel Fueled Engines

- OFF-RD CI-1 would set tighter NOx and PM10 standards for new engines
- OFF-RD CI-2 would implement the diesel PM reduction program
- OFF-RD CI-3 would facilitate NOx reductions from existing equipment

Off-Road Gas Engines

- Category includes forklifts, compressors, portable generators, specialty vehicles
- OFF-RD LSI-1 would tighten standards for new engines >25 hp
- OFF-RD LSI-2 applies retrofit controls to existing engines
- OFF-RD LSI-3 would require new forklift purchases and rentals to be electric (if lift capacity <8,000 lbs)

Other Measures

- ON-RD HVY-DUTY-3 would employ various strategies to reduce emissions from existing trucks
- FVR-1 would increase recovery of fuel vapors from aboveground storage tanks
- For South Coast, maintain existing SIP commitment for pesticides

SIP Measure Schedule

- Draft State and federal measures for South Coast released in January 2003
- Workshops in South Coast and other regions in Spring 2003
- ARB to consider commitments in Spring 2003 with first SIP relying on new measures

San Joaquin Valley PM10 SIP Schedule

- Technical findings workshops in June 2002 and November 2002
- Draft Plan release in February 2003
- Workshops and District Board consideration in Spring 2003 followed by ARB consideration

San Joaquin Valley Ozone SIP Schedule

- District committed to develop Extreme SIP in June 2002
- Technical findings workshop in April 2003
- Draft SIP to be released in July 2003
- First workshop in August 2003
- Second draft SIP in September 2003
- Second workshop in October 2003
- District consideration in January 2004